EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	298	(oscillat$3 or reciprocal near rotat$3) with vertical$3 with horizontal$3 with (Spray or manifold or nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 09:56
L2	16	oscillat$3 with vertical$3 with horizontal$3 with (Spray or manifold or nozzle) with cam	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 10:12
L3	174	"239".clas. and drive near (wheel or plate) and cam	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 10:13
L4	818	(oscillat$3 or reciproca$2) with (up or down or upward$2 or downward$2 or vertical$3) with (left or leftward$3 or right or rightward$3 or side or sideways or side-to-side or horizontal$3) with (Spray or manifold or nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 10:21
L5	174	(oscillat$3 or reciproca$2) near5 (up or down or upward$2 or downward$2 or vertical$3) near5 (left or leftward$3 or right or rightward$3 or side or sideways or side-to-side or horizontal$3) with (Spray or manifold or nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 10:21
L8	3	134/103.2 and reciprocate	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 11:05
L9	11	134/103.2 and reciprocat$3	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 11:05
L10	56	134/103.2 and manifold	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 11:05

S1	98	(US-20060266388-$ or US-20020100136-$ or US-20040103933-$ or US-20050115593-$ or US-20060037635-$ or US-20080210260-$ or US-20080210276-$ or US-20080210280-$).did. or (US-4785836-$ or US-5213117-$ or US-5388601-$ or US-6073640-$ or US-6546590-$ or US-5704381-$ or US-5817253-$ or US-5324425-$ or US-5395537-$ or US-5584899-$ or US-6161560-$ or US-4370992-$ or US-4427456-$ or US-4561903-$ or US-4572438-$ or US-4788993-$ or US-4793369-$ or US-4823820-$ or US-4959882-$ or US-4995409-$ or US-5213119-$ or US-5232299-$ or US-5253665-$ or US-5277208-$ or US-5285802-$ or US-5318056-$).did. or (US-5385159-$ or US-5398708-$ or US-5427128-$ or US-5456842-$ or US-5482066-$ or US-5485860-$ or US-5529080-$ or US-5540246-$ or US-5630435-$ or US-5640981-$ or US-5656156-$ or US-5722443-$ or US-5782252-$ or US-5823447-$ or US-6021792-$ or US-6044852-$ or US-6109277-$ or US-6164298-$ or US-6189549-$ or US-6227745-$ or US-6244279-$ or US-6258772-$ or US-6276374-$ or US-6286523-$ or US-6440910-$ or US-6550489-$ or US-6568409-$).did. or (US-7128075-$ or US-7484515-$ or US-6115541-$ or US-4264230-$ or US-4313564-$ or US-4950392-$ or US-5513667-$ or US-5649557-$ or US-6152384-$ or US-5425385-$ or US-4299245-$ or US-4316726-$ or US-4517704-$ or US-4895205-$ or US-5409027-$ or US-5419348-$ or US-5441063-$ or US-5622196-$ or US-5626158-$ or US-5657929-$ or US-5673856-$ or US-5749385-$ or US-5816275-$ or US-5849101-$ or US-5993739-$ or US-6059444-$ or US-6092491-$).did. or (US-6094772-$ or US-6116255-$ or US-6186156-$ or US-6199773-$ or US-6220952-$ or US-6257254-$ or US-6439248-$ or US-6450185-$ or US-6598262-$ or US-7175109-$).did.	US-PGPUB; USPAT	OR	ON	2009/06/01 13:59
S2	121	(parts near washer).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:09
S3	97	S2 not S1	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:09

S4	51	S2 and rotat$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:12
S5	55	S2 and rotat$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:13
S6	26	("1907411" | "2721566" | "3054411" | "3439689" | "3921653" | "4143669").PN. OR ("4213475").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:23
S7	3	"5722443"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:30
S8	447	(nozzle or spray or jet) and (parts or components) near2 (washing or wash or washer) and reciprocat$4 and rotat$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:54
S9	0	cam near3 plate near3 lug with "drive wheel" same manifold	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:15
S10	0	cam near3 plate near3 lug with drive same manifold	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:15
S11	38	cam near3 plate near3 lug with drive	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:16
S12	578	134/103.2.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:16
S13	1	134/103.2.ccls. and cam with lug	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:17
S14	5	134/103.2.ccls. and u-shaped near pipe	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:17
S15	26	134/103.2.ccls. and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:26
S16	23	"134".clas. and cam near5 manifold	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:28
S18	93	134/180-181.ccls. and manifold	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/13 15:21
S19	16	134/180-181.ccls. and manifold and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 15:57
S20	2	134/180-181.ccls. and manifold and cam and lug and plate	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 16:02

S21	38	"239".clas. and manifold and cam and lug and plate	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 16:04
S22	173	"239".clas. and drive near (wheel or plate) and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 16:08
S23	1137	239/225.1.ccls. or 239/236.ccls. or 239/240. ccls. or 239/243.ccls. or 239/263.1.ccls. or 239/263.3.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 16:14
S24	732	134/180-181.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:13
S25	68	134/180-181.ccls. and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:15
S26	62	134/180-181.ccls. and cam and (nozzle or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:25
S27	1132	239/225.1.ccls. or 239/236.ccls. or 239/240. ccls. or 239/243.ccls. or 239/263.1.ccls. or 239/263.3.ccls. and (nozzle or manifold or inlet)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:57
S28	1128	239/225.1.ccls. or 239/236.ccls. or 239/240. ccls. or 239/243.ccls. or 239/263.1.ccls. or 239/263.3.ccls. and (nozzle or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:57
S29	1103	239/225.1.ccls. or 239/236.ccls. or 239/240. ccls. or 239/243.ccls. or 239/263.1.ccls. or 239/263.3.ccls. and (nozzle or manifold) near5 (vertical or vertically)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:58
S30	66	"239".clas. and parts near washer	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 18:17
S31	159	"239".clas. and parts near (washer or wash or washing)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 18:17
S32	192	"134".clas. and cam near5 (spray or outlet or inlet or tube or pipe or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/15 18:51
S33	500	"239".clas. and cam near5 (spray or outlet or inlet or tube or pipe or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/15 18:51
S34	1103	239/225.1.ccls. or 239/236.ccls. or 239/240. ccls. or 239/243.ccls. or 239/263.1.ccls. or 239/263.3.ccls. and (nozzle or manifold) near5 (vertical or vertically)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/15 19:00
S35	22	"4741351"	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/30 11:00

EAST Search History (Prior Art)

S39	294	oscillat$3 with vertical$3 with horizontal$3 with (Spray or manifold or nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/30 11:04
S40	16	oscillat$3 with vertical$3 with horizontal$3 with (Spray or manifold or nozzle) with cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/30 11:05
S41	68	134/180-181.ccls. and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/30 15:08
S42	26	134/103.2.ccls. and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/30 15:11
S43	1	"10552960"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 08:58